



NOTICE 1988 COPYRIGHT ACT















CAMES

# **Editorial**

EA's Horror Story.

If you flick through the pages of this mouth's Year f you flak through the pages of the mounts of Communities you may find a few sabile (and a couple of blassafly obvious) changes. This is become the



Trendy Lefties in

Computers, maniton and



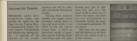






# REWS





Oil See You in the Morning Rainben Arts, the comparesponsible for the seasof our Denaria/Katakin. Is andertaken a different hi of project.

What is even better is the time encourse can be yo friends, or the computer.

Bullying, selling, tradin spying and saboraging arreliar colors in getting to the tops, so only the device anada may apply.

Old Deserving will I







# Only the Lonely

road of success. Rik Henderson hitches a ride and



Figure Love Well Louisia are a

to The Kingdoms of Terror - Av





# TOTAL RECORDS WHAT IS A CONTROL OF THE PROPERTY OF THE PROPER

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# Contributions



So you have written a program? You want it published? Follow these guidelines when you send it in to us!

Y the southern nor the sand even

To Recen - Follow These

WE STOCK HARDWARE & SOFTWARE FOR THE

N 23/90

COURSEWINNER ...

COMSOFT AMETING ADVANCE STREET CENTRE

# An Introduction To Plus/4 Machine Language

Mark Everingham reveals the inner workings of his

In these institutions of the factorisated, we shall be found to the factorisate and department and the factorisate and department and temperature for factorisate and the factoris

What Is Machine-Code?

"Makine out", "Makine language" or "Amenda Language is a compared to a page 10 miles and other language is the same three of the same of t

The right flate finite even full mean strategy have, Machine profession with last in their it reast screenfolly above, Machine profession with finite transfer from the profession of the procession of the results of the procession of the results of the procession o

Mumber Basses - Decimal, Binary, and the Dreaded Hext

Company are marker markings - Year Plan 4 company are marker markings - Year Plan 4 company are marker markers - Plan 4 company are marker markers - Plan 4 company are markers as a subset. We have assemblenge for all or property of the plan and a subset. We have a plan hand, he are company are markers as a subset. We have put hand, he are company and a subset of the plan hand, he are company and the plan and the pl

ter at the number 1255 writes under cellutes beauting between 1265 writes under cellutes 1265 writes and 1265 miles 1265

7501 Processor Registers

# FOUR GROUP

is it is a feet to be a considered on the considered on the constant of the const

The Program Counter
The reserves counter (BC)

In it is stored the address where the next communication is to leaved. When an instruction is of the PC is sufferentiably incremented so that it y the address of the next instruction. When you direct

is changed accordingly, s

The Status Register
The status register (SE) is
smoot to indicate the state
(FI) In fact, and a series of

bit is known as a "Hag".

Bit 7 - The N (Negutive) Flag. The negative or N is set to 1 when the last numeric result had hit 7 out. it sit to 0 when the masher had hit 7 cleared. Effects

Bit 6 - The V (Overflow) Flag. The Overflow (V) bit is set to I when the last operation resided in what is known as a two's completener revolve. This is only of use in signed arithmetic, where bit Trepresents the sign (IV), first).

gotters' than sold IX in one agood year.

Bit 4 - The B (Break) Play. The Break bit is not to 1 when the last operation was a "BEX", or is cleared if the operation

Bit 3 - The D (Doelmat) Flag. Setting the decimal bit cate the decimal mode of the 25th pressure. Cleaning it reso to binary additionic. For information on the decimal modsee the SED instruction.

Bit 1 - The I (Interrupt) Flag. Setting the interrupt (I) is one course interrupts to be clearled, as situating endineerings. The finescens only works with IRQ (Interrupts, EnQuest) interrupts, and is consend fully in the section interrupts.

abtracting a number from itself. If the result was any number but zero, the zero bit is cleased.

and rotate introduces, where the last but in shifted into the earry flag.

The Aeromalator (.A)
The accountainse, or A register in the most important of

the TSOI negleters. It is an 8-bit negister which is used to all antihmetic and bit manipulation operations, as wellbeing used for intert data transfer functions.

The X lades Register (X)

the front simple operations can be carried out on X. Its primary are in an in-lined for indicate addressing modes—See the section an addressing modes.

The Y Index Register (3)

tree black Poleser (SP)
The Stack Poleser (SP)
The stack poleser is mother 8-bit register, which contains

of to the current type on the 7501 machine stack, section which follows on the stack for an outline is.

The 7501 Processor Stack
In Rule, you have two justicesom to after the flow of
a program - GOTO and GOSUB is simple - it just performs
are shoulder, succeedings the part to a flow COSUB or
to proceed the company of the processor of the cost of th

the same thing except that before the pump is performed, the statement to which the populars should reason in four pushed sits an even of memory called the Basic stack. Then, when a RETURN statement is necessarized, the propagapoin bet return statement back off the Basic stack and jumps to it. missible language works in the same up study in over muchine stack, except that the GOSUB command is oppliented by DSU, Usung to Sach-Zentstee, When SSR is

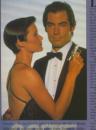
organist Person, legally in personality, while 20% is concerned, the adultion of the next command is probled easy; the stack to that when a techniquent RTS (ReTains Free Softwarfield is Sound, the advisors area be publish back of the stack tool transformed to the PC to containe pregnal to the stack of the stack policies. The contained action and controlled sources of problem and pelling is automate and controlled sources of problem and pelling is automated to the controlled sources of the stack policies. The contained action is in feet on 256-byte (1) pages seen of missory located at \$1100 contained.

the need so are a people act or comment, process, and the need so are a specific act of enemery. The FMs, PLA offsets PHP, PLP instructions path standard so that said and the people are a people and the people and the people act of the people and the people act of the people accordingly. They are havever control the stack points accordingly the according to the people accordingly to the peo

contents directly using the TXS and TSX instruction. The
when
when
and
solution is a single S-bit index into the stack area as
solution.
Note that when using the stack, you must of course
match every 25% with an equivalent ETX, and peak with
equivalent pull. The stack can accommand 250 bytes, so

had in our Mark short dove, but you' ove in the second includings.

# A Serious Case of **Bond**age



27 years the world's best known feerer agent - James Bond returns once ogain and, as the film posters state This time he's coal lot revener." or enthropism of the recent Square "No cough, tend, coulding, tend of the square "No cough, tend, coulding, tend of the square s

Secret Service. The time ha's at he one.

All the familiar elements are there, and the familiar elements are there, and hadden familiar elements are these against a pagence of a custom these against pagence country of 'Q- played for the 14th time the warm in a few Sar e 1 he and 1 on 18th by the planning of the elements have a result handle odgs. One could admin to mataket odgs. One could admin to mataket of the hadden of the sar a 10 he time; and the time the country of the time the same time to the hadden of the thinking between as a 10 he time.



FEATURI

Bond Filmography
D. No. 1980 See F.

tenated his possessing plant. He's slayer to she winding monemain puth as also to the winding momentals puth as will all energy of 18 wheel juggernates. The end is man, the focus of purposes recuprance in june around that bend. You just have to their ye such ell the tankers one at a time useff you get to the one at the Tene of the convey with you know who is it, but hereast he's purpose to the purpose of the

Treatment with Developer (1995) See 1 for Spy Wee Load Feeling (1994) See Canney (19





**OOZ** Licence To Kill

# 128 Corner



# complain about



or a Dark Knight ere stready forms Including rhyming rival the Riddler. Originally (Robin) who, the the come flow Wayne, witnesses his purelly reaute







the play are of the NAT and tax care. Leven-specimes play parties on one of these Selver the care in sub its count explain why

The great streets of St. Taxable

the release of their PS/2 range of age loant danger make availables and innonation within the PC field. It's nice to know that when you buy a PC that next month or pest some pome to take me away by the de-

lot of home covariates. Home comwith a particular word (Freedock this recognition they tend to believe on sound on or extremely low cost of have property france Parisonant performany particular task remotingly well but one profess. want leaks competenty. The success of the PC design is really entry of Sections | Entry Local at the Large marche. of Alberta States and the second the contract while a let these registrees

family of computers letter flood blow this mile nort due to the gradubilles of a great number of different class puters and expansion cards and the Section you can now have a respectat shore arriance of software explosion BRMS hand AT style BY from New Company with I received of RAM ers in the PC market means that there and a 40-exceptive sick for around [1400cman, VATION sick is what I read for me N Whete XT PC run years

of the Manness Strangerson Playte there are a few which are sixed

Words for the Whys

mather reframend would ever create in his support, as long as the

software went told corrected In Married the World opposite

Non ATHE-28, PC/AT non S000.

IDIR. DOS and directory raet a need-this issued of rocks tooking DOW BORNALI INC. Other packages that airy you the Fappler - Quete, 01-971 2455 capability for Spidowand forable DESCRIPTION WAS The subject has been appropried the Kanndler - Compa A44 8889 575515 - Marie Control of the State of DOLL DON SON LONG WALL community world. They send to give he tiles of them, extend thereby review why this stodyy little computer has

review lend dead man the Aretrac PCW seems uses a version of CP/M The section of the Real Property of rolling was very characteristical to an early version of CEVM, which had two Study, the first was that people who

7998

The End PC

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YOU'V COMMODORY surveyby N



Re Mark Everinghow

The OOPS! Alarm

SETEVENT EVENT # , "HHMM"

LARM command. The command

ENABLE EVELEVE Low EVER

The ENABLE command has a

THE OWNER BY ST. EVS L. SVAR The DISABLE command noticens

ENABLE command and the error

Alarm Priorities and "Shutting Them Un!"

# have replaced the MINUTE argu-

type OK seturn again then event

NUMBERMARK

YERSION YER!

OOPS! Backup File

"TEST 1460"... "TEST 1430"...

Save "0075" YI"... Erase "00PS-

On caseing CLINFO, a lat of

Agent from the COMMANDS com-

Miscellaneous Commando WINDOW WDW #

OOPS! Abbreviations

Minimum Abbreviation

ALARM? (YES/NO) If you don't

OF ALARM WARNING (Message)

ON TYPEY Y TIME OFFICIAL

OR EVENT X MESSAGE (Message)

(16) DEVICE NUMBER (\$41) Date

(15) FILENAME (Name) Error th-(16) YERSON NUMBER (LOSS)

For Dick Users: DLOAD "COPST"

### PLUS4 PROGE

PROGRAM LISTING L	0.38,35,55,50,10,03,35,95,95,95	
30 RET * OUPS! BASIC LOWDER PROS	8,60° 1100 OWIN COLEG. SO, TH.CH. SE, BO, 1	1550 Data AD,68,50,28,20,29,27,0
9081 * 80 861		1670 0939 09,99,93,99,00,09,00,9
	1130 DRIN 30,83,60,04,46,69,60,1	
00 PRINT DIRECTYTEDOPS: BASIC L	1190 0818 90,00,00,10,10,90,70,73,0	0,0300 1500 0434 AD, 03,46,40,40,67,07,77,6
SO PRINT "NATITIES IN OCTUBER IN		
	1300 DASA OC, 03,60,00,03,49,55,4	1600 5838 10,FF,88,88,11,FF,89.9
130 FT+0.485+1897-F08 L1+1808 R0		1810 5834 09, 67, 80, 11, 77, 69, 60, 1
	1170 (454 16.60.00,03.00,07.03,4 9.0170	1600 Saba FF, 80, 13, FF, 30, 60, 42, F
TEME: "(E700-L1):10"H "	1300 0454 03,40,10,80,10,63,00,3	1,010 (A3A A0,03.00,07.77.00.10.7
130 CRIVE FOR BYYO TO 7 READ CHR. 190 CRIVE DWOMEN, IF DRIVE CRIVE		
	3,500 1000 Sede OC.03.03.65.09.60.15.8	1810 5434 38,80,46,84,50,07,40,6
THO DWINDERCORRY, PORE ACCURY, DAS.		1850 DASA 16, 83,02, 34,50, 09,00, F
	1818 BADA 88,84,85,88,00,80,85,1	0,041C 1660 6454 F5,42.08.86.EF,C4.80.C
170 ASSESSED AND LLUF TEXTS	1885 BADA AB, ED, AB, LD, 29, 90, 90, 8	8,0563 1870 DASA 15,83,87,08,06,33,F7,6
180 LATE AND CORRECT - JALE		
	1010 Befo 00.57.60.00.88.03.30.40.8	1880 5634 80, 54,09, 53,80,80, 64,6
THO OS -BUT EN LEGY LATTE EN-TTO		1890 5634 A5, 84,00, 61,60, 69,00,F
	1893 BATA EF, LA, CA, SO, F7, 79, W9, P	
E PORE 200.0	1,000 Sele 40,10,00,11,00,00,10,0	
Services Parts "lave", Electral		1718 BASA 15,80,87,85,08,10,17,6
	1,000 DASA 20,80.01,38.18,30.06,8	17/08 BASA AB, 50, AB, 52, 20, 88, 90, A
	1810 BASA GR, GA, 69, 63, CB, PO, GE, 6	1793 SASA CW, WX, 30, 05, CE, E7, 07, 0
\$10 SAVE TORPS! LEARLEST, PERKLAGE		
PRO PRINT THROUGH BOPO EVERDS	131E BASA #8,78.01,E8.00,80.06.8	1755 SACA FR. W. SS., SE., ED., WR. WR. W.
PRODUCT TO 3 PENE POSTEY, PE	0.0FED 1370 0000 73,05.05,80,60,09.4F,F	1765 Sect. 37, 50, 55, 51, 51, 52, 72, 77, 3
180 FORE 18, 30 280 Seve "COPS!", PEEX: 2860	1230 BACA 03, W. AC, AC, BY, ES, TJ, O4, E	0.0008 1780 0000 28, VR.05, 8A, 29, 67, 00, 3
		5790 GRTH NC, NR, DC, FD, C7, NR, CC, N
SCO PRINT "SPROSENS SMACHS CONT.		
	1302 OFFE 20,09,80,20,61,00,63,%	2,000 tota wo.co, 50,4F, 45,60,00/4
	1300 ONTH 10.99,00,09,80,F9,80,A	F, 6070 (800 (A34 NB, 48, 60, A8, 34, NC, 49, 0
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PER PROPER TRANSPORT CHECKSUM EFFICE	1,000 1,000 (#14 CC, 89,00, CF, 00, 60, 90, 1	1890 0434 95,03,29,3F,09,03,64,0
	1920 DRIN OC, CB, CB, CB, GB, GB, BB, B	
515 515		1800 8000 NO. 38, 80 48, 80 NO. 38 NO.
	1410 0434 09,60,90,04,09,67,00,0	1,650 0050 46,68,90,49,60,A9,69,V
	1570 0A3A 29, 97, 09, 80,60, 81, 78, 1	
NO BOX - CSCART AC LINE 18000 -		1876 BASA NS, 80, 80, NS, SC, CS, SS, F
	1910 DAGA RC, 10, 00, 40, 40, 40, 60, 69, 6	1895 8404 03, 95,15,69,60,09,80,6
900 PER 1000 DATA OF, 12, 80, 00, 85, PM, 24, 3		
1,8141 1000 0434 31,36,34,46,60,08,60,4	1950 BASA 08,43,00,40,18,80,08,0	1500 BACA AS, 59, 60, 67, 79, CR, 3A, O
	1900 BACA OC,80,09,09,09,80,98,8	
1000 0454 PC, 12,49,63,40,15,65,0		1915 BACA F4,40,00,00,60,E1,15,C0,0
	1 992 BACA 32, EE, EG, CD, DB, SD, D4, A	1879 SACA 68,87,18,69,81,19,59,0
8, 2300 1090 0034 20,45,91,38,71,67,70,7		1930 BACA 88, 57, 48, 80, \$1, 30, CR, 6
	7193 SACA 60, F0, 63, 98, 64, A6, 83, 9	0.0908 1992 DPCA 82.07.82.50.16.68.60.6
3050 DA34 CB,80,FD,8F,81,8F,30,0		
5050 BASA CB, 50, FB, CB, EE, 68, 66, 6	0,0007	1953 DETA 34,50,68,60,14,40,00,8
		1990 OFFR EB, LA, 80, 80, FB, 50, FB, 6
2,0000 10000 0000 18 80 00 81 00 00 00 0	7570 DETE BC,7F, NA,CE,89,08,8A,A	
	1530 DATA BE, AG, LA, 2G, 56, 11, 4C, D	
5000 BADA 20,79,09,90,64,89,05,6		1980 Date 60,A0,60,1A,63,77,60,8
	1550 FREE AD 18 50 CO AD 29 56 1	1999 DATA DA,AO, CB,AO, CD,BO, 12,G
3,936		

### PLUS4 PROGRA

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10.00 EASA 99,40,00,00,00,00,00,00		0.728F
	9,0998 8189 DATA DB.90,03,40,40,00,48,4	3,0570 2000 EASA OF, 60,15,20,00,50,4
124 1 0434 E1, 22,03, 24, 60, 68, 48, 8	81.08F8 81/32 DEEP CD. On. F2. On. 68. (D. 108.)	0,0303 0500 0434 05,84.14.03.00.F2.0
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191 0 DASA 1A, 68,80,60,1A,60,68,8	0.0991 0.092 Dece 08.00.02.03.09.04.19.8	
E030 05, C0, 40, 10, 85, C1, 20, 1	2500 2606 12, F7, 68, 20, 85, 86, 14, 8	
	0.0330 2513 Belo 29, £1, 59, 46, 13, 43, 15, £	2500 DASA FD, SA, CR, SB, VC, SB, SI V. DASS
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80 EATA NB, AB, CO, 18, FO, CB, AB, A SHEE	25075 BASA 27, 80, 08, 00, 28, 80, 04, 6 0,0336	2050 Enth In. 85,67,65,65,63,67,9
00 Data 81,09,00,00,00,09,00,FB,0	2556 8454 10,00,03,40,15,00,66,6	0500 0454 00,01,42,02,71,44,8
10 DRIW MO.08, 20,76,11,91,03,8	1515 500 14,80.09,10.00,93.03,8	2000 EASA 89, 83, 85, 89, 1A, 00, 8
10 DATA LO, FE, 60, FE, FE, LE, FO, O	2555 BASA 03, KO, NO, IA, 29, FC, OB, D	2000 DATA 05, 14,40,65,1A,C5,2
0 COTE 80,00,1A,00,49,80,60,1	9,000 BADA 60,80,14,60,46,62,46,0	2000 CHIR OF, AB, 89, 14, CU, 10, C 8, COOR
0 ONTH 60.40.00.14.29.0F.90.0	2575 SHOW 15, HOLDS, NC.00, TH.20, F	2000 DRTH AND, DE, BOLDY, SA, NO, B
OFTH 13,00,41,11,09,80,00,0	2500 BACA 15,FO,CE,RE,NE,RE,RE,LET,1	3000 CHIR MO.03, MO.06, SO.OH, 3
OFTE 81,20,51,91,20,10,50,5	2500 BADA 66, 40, 00, 80,07, 14,60, 2	
		5,0300 8030 DRTH BO. 18,03,08,00,00,01
00 OFTE 80.80, 04,09,38,70,03,4	27,0300 1912 SASA SW, SA, AG, BO, LE, SS, ED, B	6,0100 3010 DETK 50.02,00.33,40.00,3
0316 80 Dere #1,91,65,00,00,07,61,10,0	2,020 2522 5000 60, 10,50, 60,60, 10,20,0	
0 Defe Ct. 90.58.99.05.51.15.5	0530 BASA NC. 30.15, #0.00, \$4.09, 0	ROBO DETE LA DE PROP. DR. NO. D.
0.000 pg. 80. 80. 82. 80. 01. 80. 67. 1	25/2 5000 ED, BD, LE, BD, AD, BD, LE, E	NOTE THAT IS SEEN IN AN ARE NO THE
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00 PM 00, 81 . LC. 18.50, PL.05, 0	1,0000 sono st. ex.ct. st.m. ex.ct. 1	0,0276 2000 DRIE DF.09, 20,00, DE, LA, PA
0.2% 0.2600 AB, 34,40,00,40,04,04,00,0	PETER BASA CH. ER. CF. BL. PE. PE. PE. PE. E.	A CORE 31.00 DATE BR.NC, 34.00, 18.40, 0
	9 /0306 /9/00 Bodo OD, 85, /Y, VC, /SE, Bo, /SE, IS	0,000E 31.00 Defe 80,16,60,80,60,16,0
0 5434 TE, 14,10,10,10,10,00,75,1	19 / 2 55A 19 / 2 55A	
	0 / 2330 0 / 2330 0700 8404 00, 88.83, 18.70, 83.10, 1	0.0903 3130 BACA FE, 49, FE, 40, FE, 50, FF, 50, FF
# 8039 80,79,69,69,60,00,00,6		
0 0434 73.01,90.65,13.66,60.6	2718 BAGA 29,77,20,93,00,00,00,0	2018 BACA 29, FO, NB, DB, NB, KB, NB, NB, NB, NB, NB, NB, NB, NB, NB, N
D 5939 11,88,87,15,98,FF,80,T	#100 DATA BO, DB, AD, CB, AE, CB, FD, C	3250 BADA 60,82,14,60,00,34,0 7,2386

### PLUS4 PROGR

3290 DRIN 15,40,13,20,68,90,29,9	3750 DASA FD, VR,EE, 68, 14, 40, 69, 1	\$150 0818 CV, 58, 45, 58, 4C, 45, 43, 4 9, 550
3300 OMER 32,40,52,40,32,60,68,8	3730 Sein (9,64,00,3F,48,00,62,6	1150 Cata 16, C7, 59, 15, 56, 15, 15, C
3333 BACA 40,60,10,00,60,10,00,8		
	2792 2000 85 So. 18 CO. 63 NO 27 F	
0,0008 3330 0eFe 01,40,12,60,08,80,40,40		
0.0003 2792 0000 10.00.00.00.00.00.00.0		
	2770 DATA 88,1A, 28,68,61,60,69,1	1600 DASA NF, 50, NS, DE, ST, NS, NE, N 1, OTEF
3353 GHEN NO.LD.29.80.09.20.NE.1	3790 Dere E8,00,00,17,00,00,60,6	WILD BASA NF, 87, NO, NF, NO, NB, NI, N
3300 DATA 40.00,00,00,10,14,00,00,0	2790 DETE DA.AD.60.18,50.60,51.0	1005 5000 14,53,13,10,16,16,16,0
	200 0918 80.08.10.08.80.00 10.2	5.0001 1215 SACA 12.VE.15.CF.53.65.16.1
0,0003 3390 DATA 88,80,00,41,12,49,37,6	\$1,0307 \$100 ONTH BO.FF.25.AG.ES.AG.EV.S	
0,0308 2400 0404 12,80,68,80,48,81,65,8		1250 BAPA 48,07,00,8A,12,03,13,6 7,0916
	2020 DRTH LD.OC, 80, 10, FA, 68, 60, 8	9263 SACA 13,56,13,63,13,69,13,0
2122 Secon 10,01,00,00,00,00,00,00	2040 DETH V5.00,80,45,80,68,86,8	9273 Sect 13.85, 13,00, 14,60, 14,6
2003 DATA AB, 85, 83, 49, 00, 80, 88, 1	9050 DRTH 10.00,80,10,50,60,60,60,6	5,000 DATA 14,73,74,80,14,80,14,8
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## **Logically Speaking**



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that itself gives us the number of A -----

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needd natibe complete without willian not seem work to do as well. As no have often, them, are formular for squired but what, about stangled I reaging an my Satural triangle that is About the state and a state of Name and Post of Publishers and Publishers recursing aides, and the elected fifther in with stangers of the same also Darbor Sharles sinks by outer Phone heard, we wish he said to have an right he might by right triangle Remonstrate that triangles can be Encountered from the state of the state man was what in the total marshes of triundes enversiond within the big have his an interrupted one nearly briangle, making that the his triangle as a letter which one to the total, inch as the maker Chess board adds one to the newbir of squares. Easy if you

Switching The Bases

Reary and dromal da.metimes happily though, and southfeet course ing soviets entires into the rock aning This is known at hexadecimal union the number 16 as its base. Unforta-

nately the Arabic numerals from settles 9, using the qualities O. S. 2 and to on Rather than sweeper new conbols, branderstand was letters of the alphaber Those letters are A B C

that is being used. To take our cartier breedecimal example of 12FE, know the Bart E is previously to the delications Appelling 14 and T is an eligible month. decimal regulary 15, and motion of 14 place Efficience 16 place 2 major 16 to one works, of 2 plus Billion a 16 to the Company of the state of the state of Confidential Confidence Then the home for all country systems such in the Basic being and and he opply plains that their restricts CALABOTE THE ADVICE NAMED AND POST AND PARTY. resident supermed, o'vices saids coredit flars one numerical Year's another. Telepty another example, let on non-water transport to the state of the state of the base To An encount choice, may

supposing the sufficient to be the number we are built on for: A Court D mines A diaments owner A chance 7). The same number, but using a

William Colors and and an inches

different manurical base for each time that it is expressed. What is more than want to find a four christmanhoushon will obey the organical and to some phose maters will farter, we would that enables us to solve it Well the

mysetim and its author before line No elegal the scools (The Loop in Lac 40) was up to cover all percible four dick. numbers, and with thee 50 and 60 we set up a string unrable so plat me can check for the personal of the case chain in the solumband than processors. within these fear district bern. If therefore are not the name then

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minus 1332 in base 5 opents 1832 or hase I. The decimal compact 1668 and That is a simple example of the kind of problem that can be set when union a minters of bases for committee currence. Now consider a difference not of problem using the equation & the carried and Athen to the Athen rt. If the numeric variable IA' is



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Dos 6.1 - The Utility Whis publity is in the same recold as DOS 5.1 on the deepo dak.

DOSS COMMAND

DOS scade a command to the did

MEMORY SAVE

NORMAL DEVICE NUMBERS

LIST BASIC PROGRAM

LEAVE DOS 6.1

MIMORY USAGE

Loading DOS 6.1 Type is and save the Basis

instructions. The machine code is USING DOS AT IN YOUR OWN

### Dos 6.1





COMPETITION



# No Strings Attached





















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